

FIG. 1

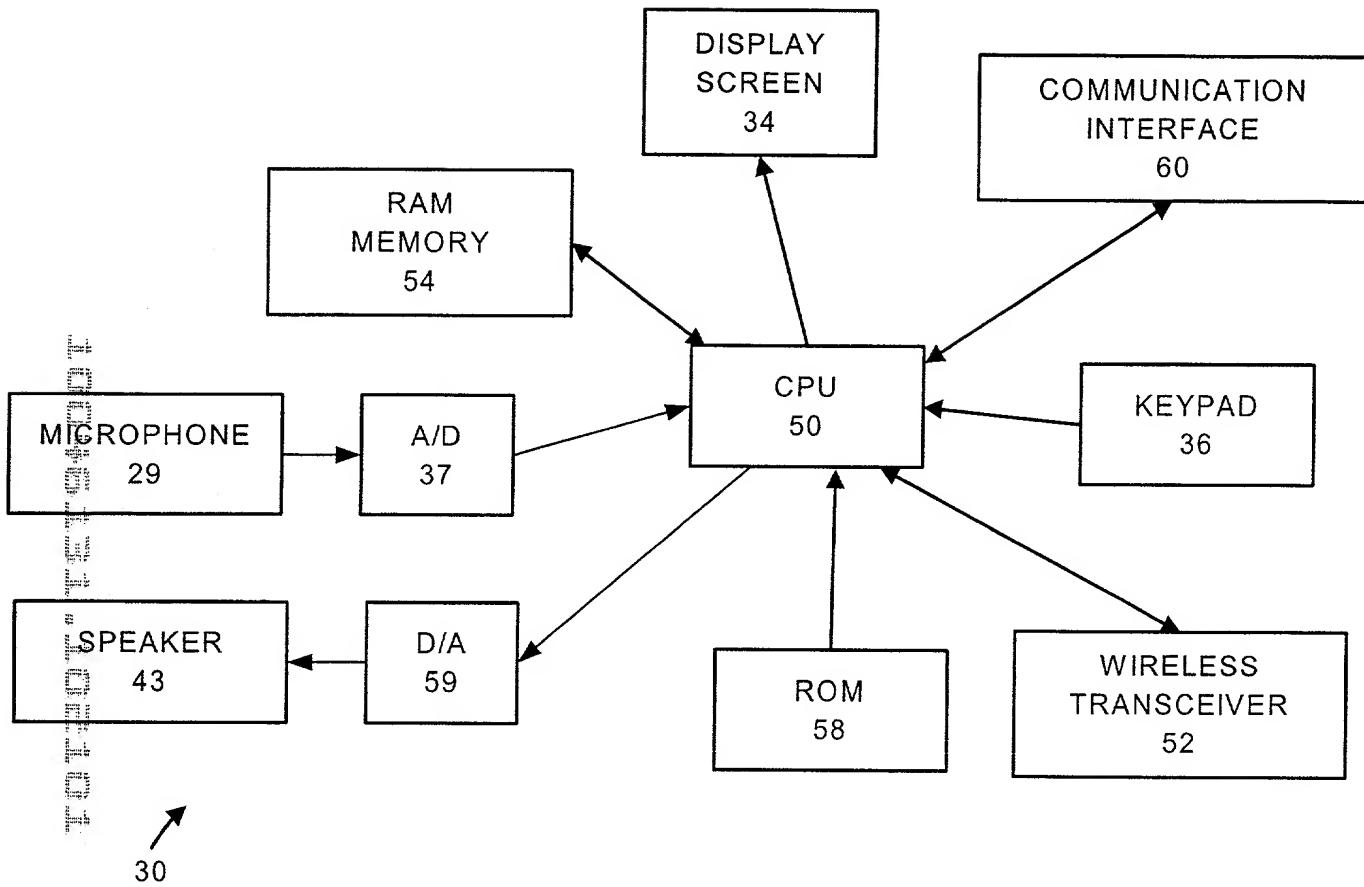


FIG.2

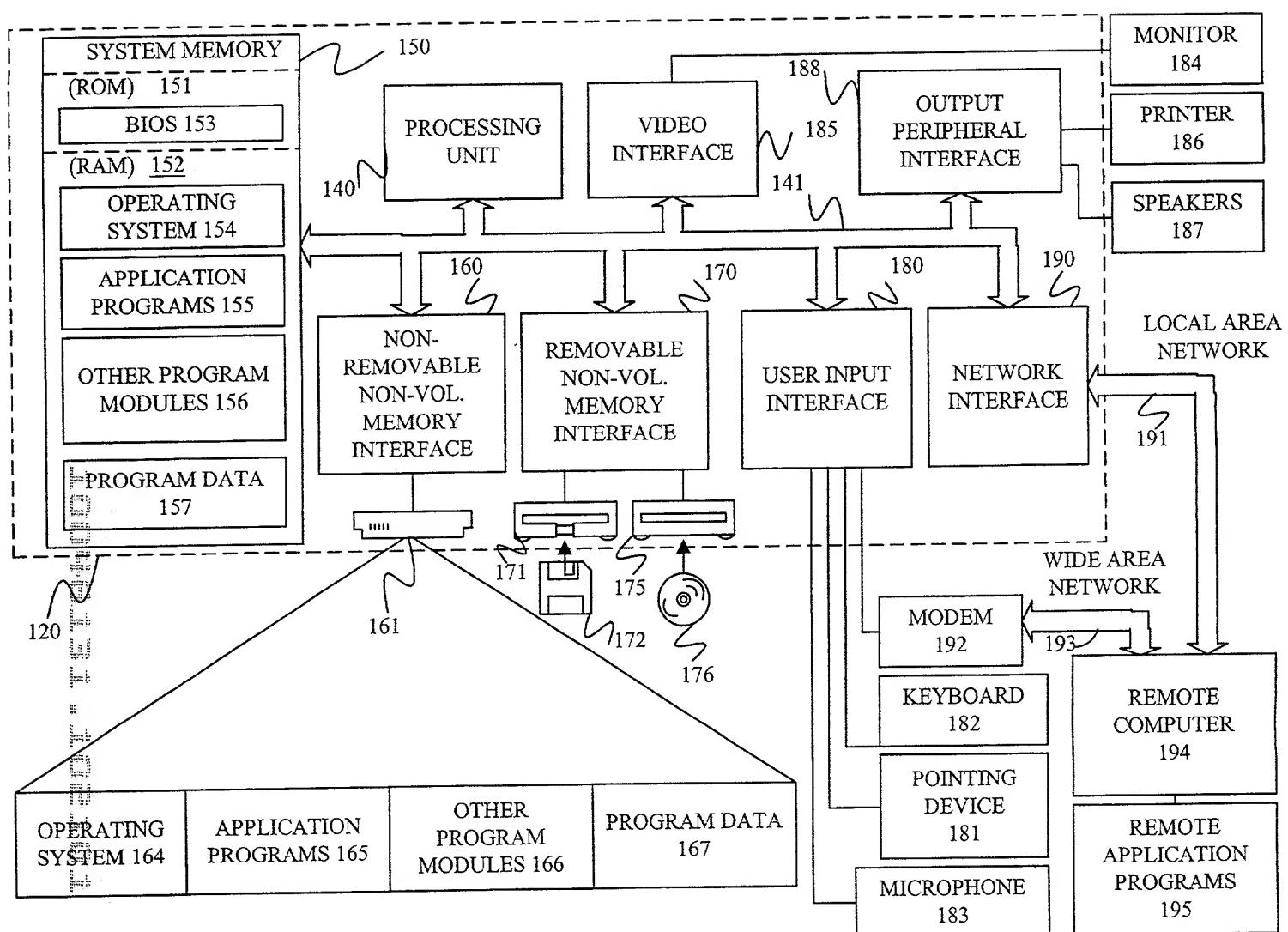


FIG. 3

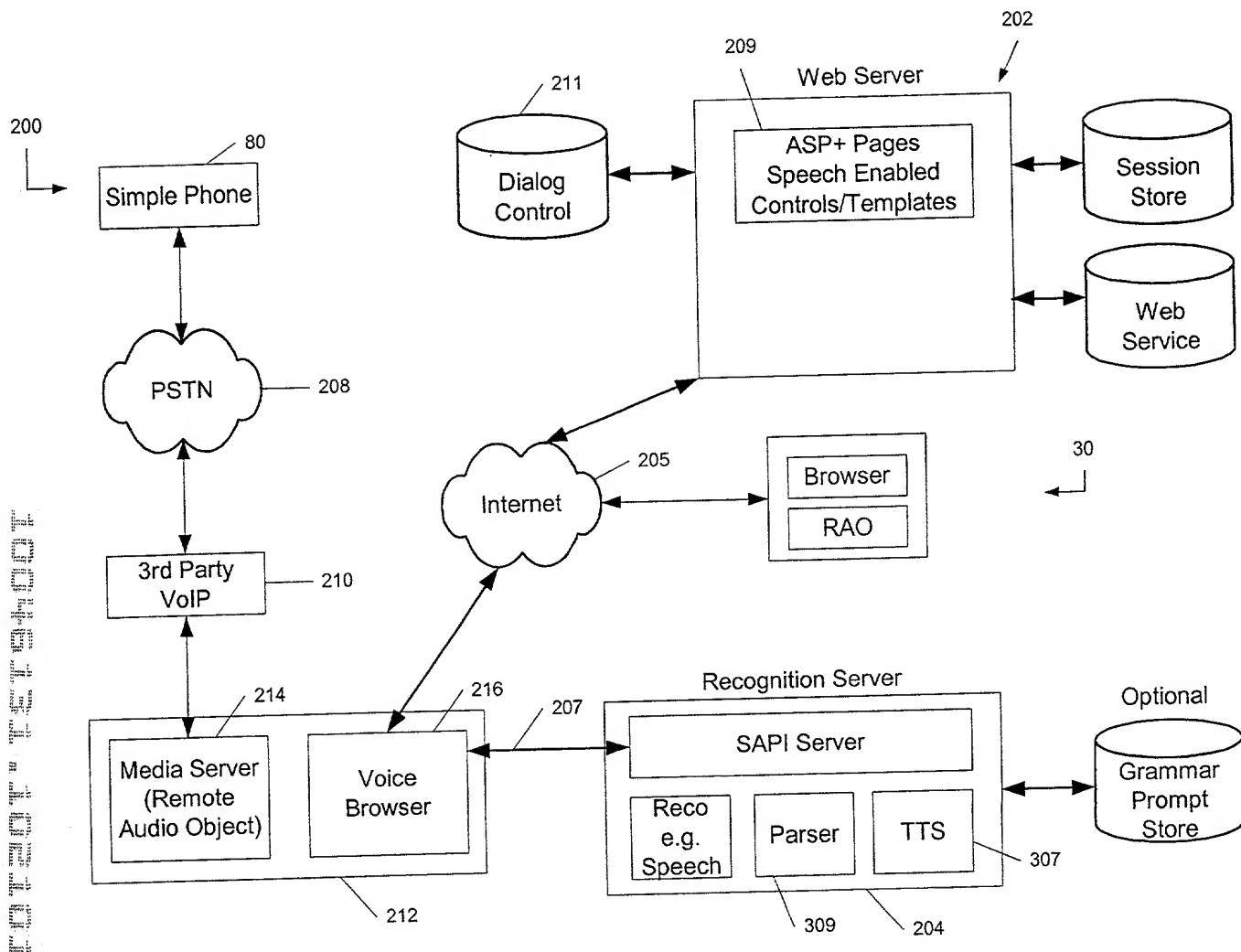


FIG. 4

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CREDIT CARD SUBMISSION

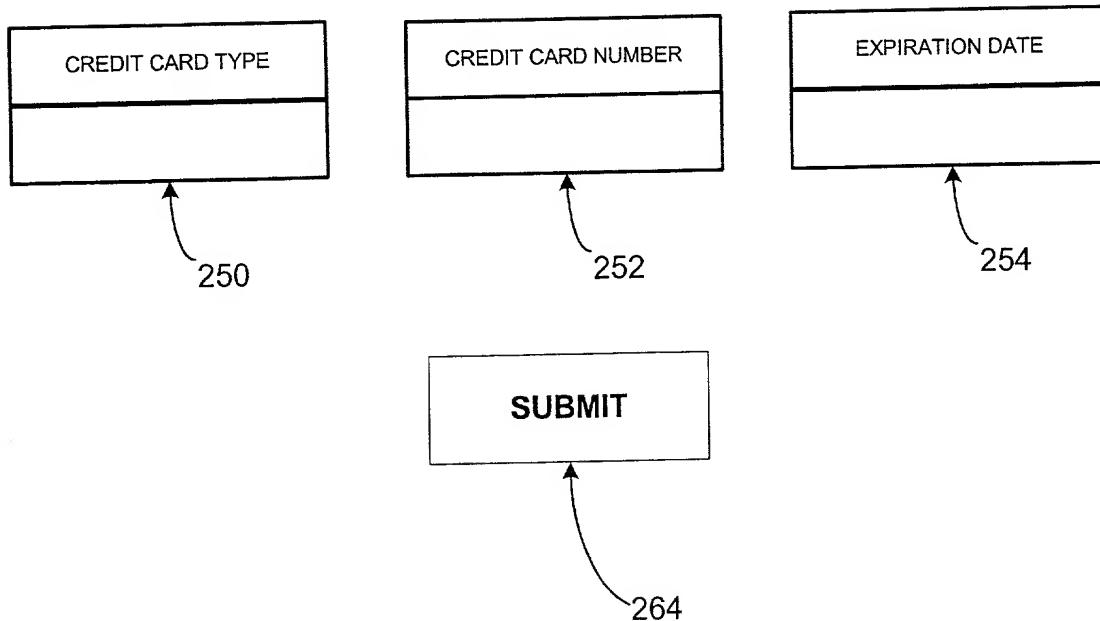


FIG. 5

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<html>
  <form id="get_card_info" method="post" action="http://payment.asp">
    <select name="card_type" onClick="talk(g_card_types)">
      <option value="amex">American Express</option>
      <option value="visa">Visa</option>
      <option value="ms">MasterCard</option>
    </select>
    <reco id="g_card_types" onReco ="handle()" >
      <grammar src=". /gram#card_types" />
    </reco >
    <input type="text" name="card_num" width="30"
      onClick="talk(g_card_num)" />
    <reco id=" g_card_num " onReco ="handle()" >
      <grammar src=" . /gram#digits" />
    </reco >
    <input type="text" name="expiry_date"
      onClick="talk(g_expiry_date)" />
    <reco id=" g_expiry_date " >
      <grammar src = " . /gram#dates " />
    </reco >
    <input type="submit" value="Submit" onClick="verify()" />
  </form>
  <script><![CDATA[
    function talk(gobj) {
      gobj.activate();
    }
    function handle() {
      if (get_card_info.card_num != null) {
        if (get_card_info.card_type.value == "amex") {
          if (get_card_info.card_num.length != 15)
            alert ("amex should have 15 digits");
        } else
          if (get_card_info.card_num.length != 16)
            alert ("visa and master should have 16 digits");
      }
    }
    function verify() {
      var flag = window.confirm("submit the credit card
info?");
      if (flag) {
        get_card_info.submit();
      }
    }
  ]]>
  </script>
</html>

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FIG. 6

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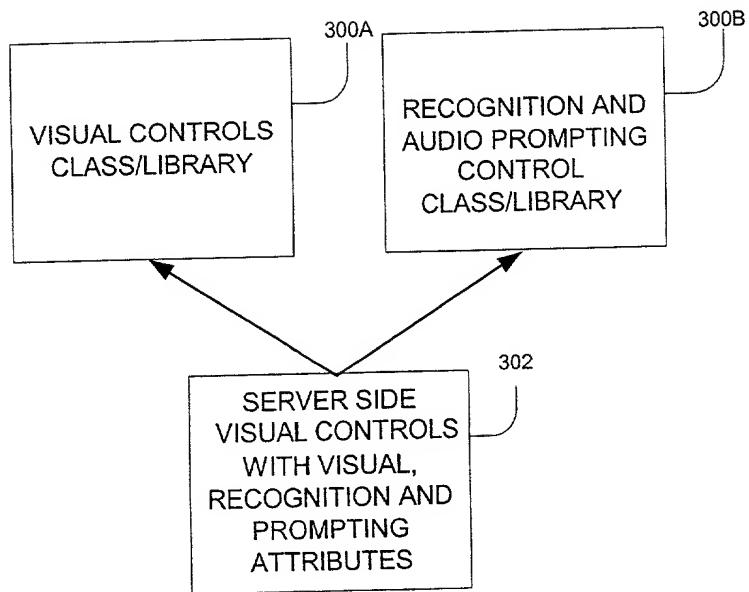


FIG. 7

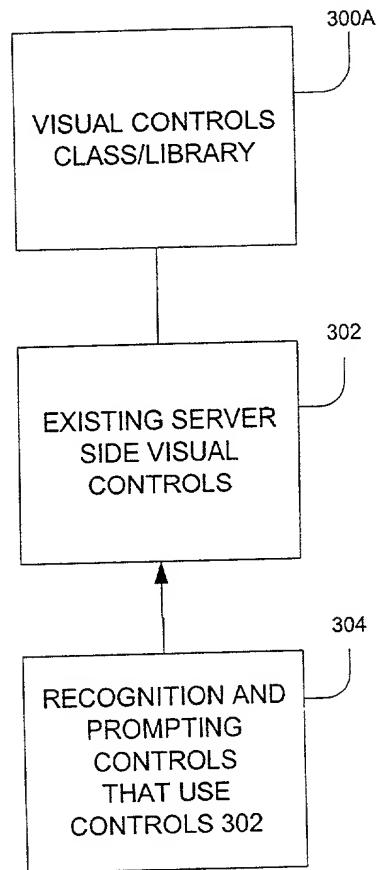


FIG. 8

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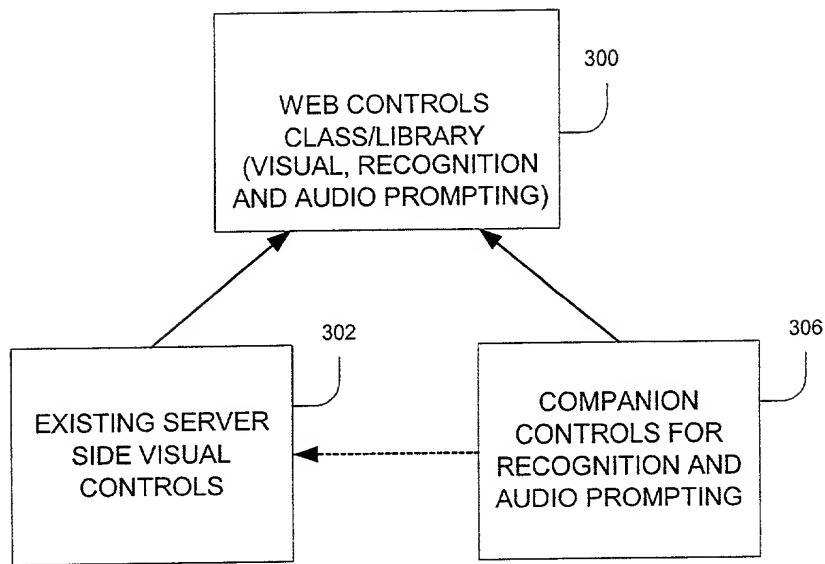


FIG. 9

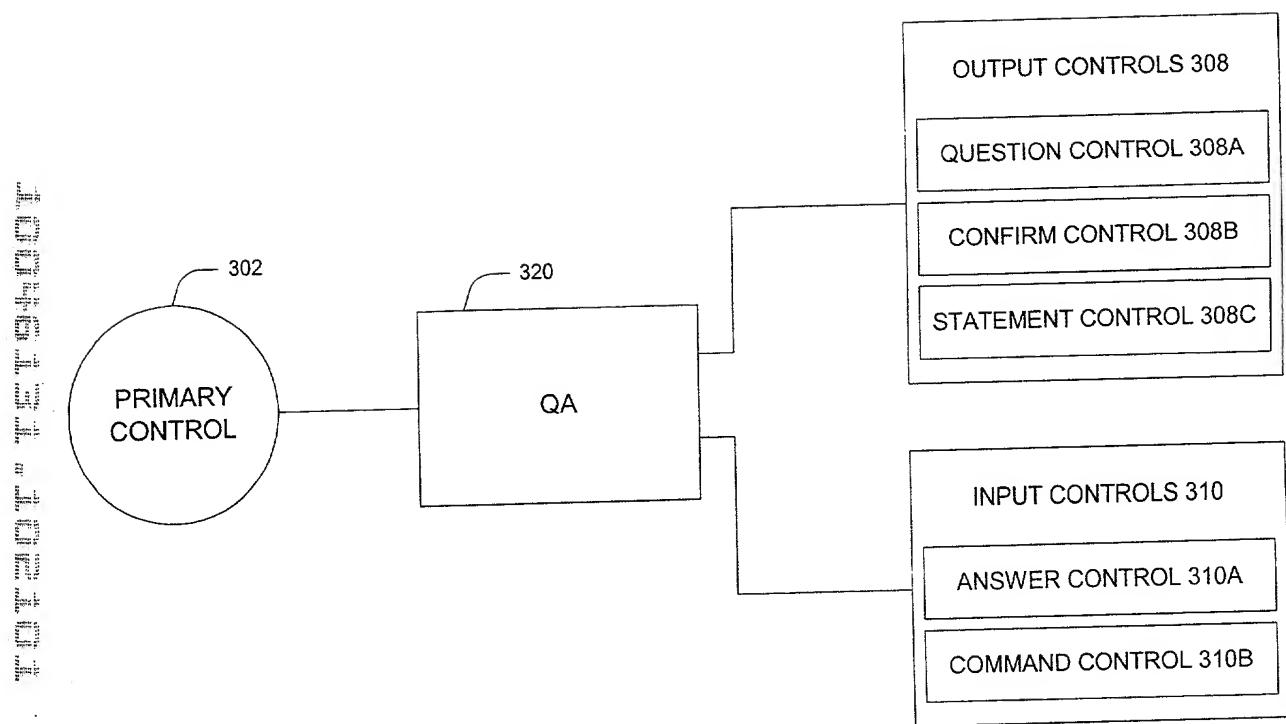


FIG. 10

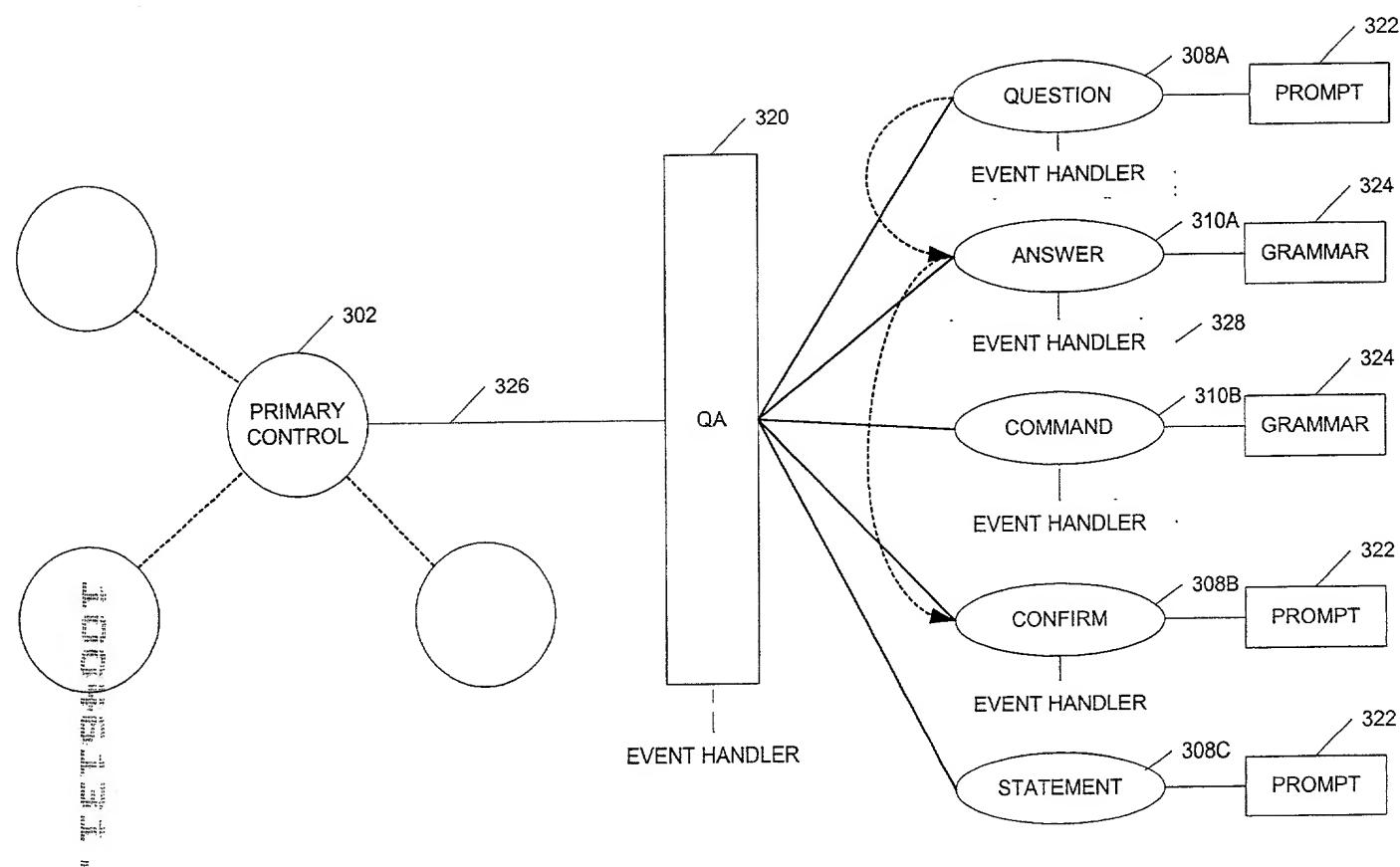


FIG. 11